Ascet 5K-110/1P2T2

PN: SIH12005L052ACCU1B

EAN: 6422956015794



Specifications

Efficiency	
Max. Efficiency	97,3%
European Efficiency	96,8%
Max. Battery Efficiency	94,3%
Input (PV)	
MAX PV Power (W)	10000
Max. PV Voltage	550V
Max input current (input A/input B) (A)	18/18
Max short current (input A/input B) (A)	25/25
Start Operating voltage (V)	90
MPPT voltage range (V)	70-540
No. of MPPT trackers	2
String per MPP tracker	1
Input (Bat)	
Compatible batterty type	Low Voltage LiFePO4 or Lead Acid
Battery voltage range (V)	40-65
Max. charge/discharge current (A)	110/110
Max. charge/discharge power (W)	5500/5500
Lithium battery charge curve	Self-adaption to BMS
Output (Grid)	
Nominal AC output power (W)	5000
Max. AC output apparent power (VA)	5500
Max. AC output power (PF=1) (W)	5500
Max. AC output current (A)	25
Rated AC Voltage (V)	220V/230V/240V, L+N+PE
AC Voltage Range (V)	150-300 (adjustable)
Rated Grid Frequency (Hz)	50/60

Superior Efficiency

High Reliability

Intelligent Maintenance

- Maximum efficiency 97.3%
- Max. Charge/Discharge Current 110A
- Reasonable energy control to increase the proportion of spontaneous use
- Natural cooling design
- Compatible with lead-acid batteries and lithium battery energy
- Remote configuration and upgrade
- Supports export power control

Grid connection	Single phase
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)
Power factor	>0,99@rated power (adjustable 0.8 LD - 08 LG)
THDI	<3%
Output (Back up)	
Nominal output voltage (V)	220V/230V/240V, L+N+PE
Nominal output frequency (Hz)	50/60
Nominal output power (W)	5000
Nominal output current (A)	22.7A/21.7A/20.8A
Transfer time (ms)	10ms (typical)
THDV	<3% @100% R Load
General	
Max. Operating Altitude	4000m (>2000m derating)
Noise emission (dB)	<35
Ingress protection degree	IP65
Operating Temperature Range (°C)	-25°~60°(>45° derating)
Relative Humidity Range	0-100%
Cooling concept	Natural Cooling
Mounting	On Wall (with bracket)
PV connection way	MC4/H4
Battery connection way	Dedicated DC connector
Generator connection way	Dedicated GEN connector
AC connection way (grid & back up)	Dedicated AC connector
HMI & COM	
Display	LED+APP
Communication interface	WiFi + Smart Meter (included) Optional: GPRS, 4G, LAN
Physical	
Product dimensions	377 x 452 x 206 mm
Product weight	20 Kg



Protection	
Protection category	Class 1
DC switch	Support
Anti-islanding protection	Support
AC overcurrent protection	Support
AC short circuit protection	Support
DC reverse connection	Support
Surge Arrester	DC type III, AC type III
Insulation detection	Support
Leakage current protection	Support
PV overvoltage category	II
AC overvoltage category	III
AFCI protection	Included

Logistics

Carton Box Size (LxWxH)	445 x 555 x 310 mm
Pieces in the Carton Box	1
Net & Gross weight / CTN	20 kg / 23.50 Kg

Certificates

RoHS 2011/65/EU CE

Safety EMC	EN EN 62109-1:2010	IEC 61000-6-3:2020
	EN 62109-2:2011	IEC 61000-6-4:2018
	EN 61000-3-3:2013+A1:2019	EN IEC 61000-3-2:2019
	EN 61000-3-12:2011	EN IEC 61000-3-11:2019
	EN 62920:2017+A11+A1	EN IEC 61000-6-1:2019
	IEC 61000-3-11:2017	EN IEC 61000-6-2:2019
	IEC 61000-3-12:2011+A1	EN IEC 61000-6-3:2021
	IEC 61000-3-2:2018	EN IEC 61000-6-4:2019
	IEC 61000-6-1:2016	EN 50549-1:2019+A1
	IEC 61000-6-2:2016	EN 50549-10:2022